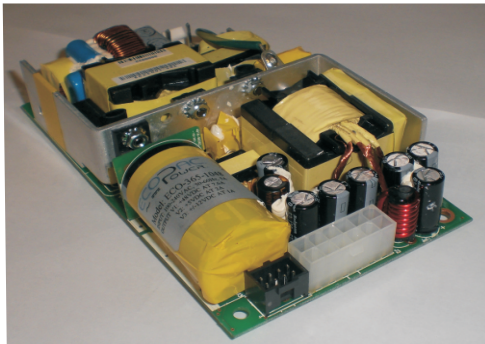




# ECO-365 Series

## 365 Watt High Density AC/DC Power Supply



### Features

- 365 watt medically approved open frame PSU
- 3" by 5" Footprint smallest 365 watt open frame available
- Less than 1U high
- 12 volt auxillary output allows 1A current to fan
- 5 volt 2 amp standby output always on when AC input present
- 90% Efficiency
- Universal Input
- 3 years warranty

Part Number	VI	Without Air Flow	With Airflow	V2 Stby	Max	V3 Aux	Max
RS 706-6521	12V	18.3A	29.2A	5V	2A	12V	0.5A
RS 706-6530	24V	9.2A	14.5V	5V	2A	12V	0.5A
RS 706-6533	48V	4.6A	7.3	5V	2A	12V	0.5A

Input	
AC Input Voltage	4.5 A Max Continuous
Input Current	90-264VAC (47-63Hz) or 170-370VDC
Input Refected Ripple	FCC 68 part 15 Class B
Power Factor Correction	0.98 at 220VAC (typical)
Input Line Protection	A 250VAC IEC Type
Hold-up Time	>16msec @ Full Load
Efficiency	90% Typical
Leakage	275uA @ 230 VAC

Output	
Line Regulation	±0.1% for Vin (min.) to Vin (max.)
Load Regulation	V1 += ±1% / v2 = ±5% Max
Adjustment Range	±5% Minimum
Min.Load Requirement	None
Ripple	±1% (20MHz)
Transient Response	Better than 5% For 50% Step Load
Over-Voltage Protection	115-150% (Latched Shut-down)
Turn-On Delay	1 Sec. Max.
Over-Current	110-130% of I-Max (Auto Recovery)

Environmental	
Operation Temperature	-20 ~ +50C Derate of 2.5%/C up to +70°C
Storage Temperature	-20 ~ +85C
Cooling	Forced Air Cooling 200LFM 220W Max Convection
Humidity	Up to 95% RH Non-condensing
Shock & Vibration	0.75G Peak Half Sine,6 Axes
MTBF	>300,000 Hours



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365 Watt High Density AC/DC Power Supply

EMC Requirements	
Electrostatic Requirements	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT/Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-11, 95% Dip & 10ms, 30% Dip & 500 ms
Voltage Interruptions	EN61000-4-11, 95% Reduction, 5s
Fluctuations & Flicker	EN61000-3-3

Safety & Emissions	
Safety Approvals	CSA/UL 22.2 No. 60950-1-M90 & 60601-1-M90 VDE EN60950-1 / EN60601-1 CE Mark (LVD)

